

J LÃ³pez Jaramillo

List of Publications by Year in descending order

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64
papers

2,630
citations

201674

27
h-index

189892

50
g-index

70
all docs

70
docs citations

70
times ranked

3026
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual regulation of cytosolic ascorbate peroxidase (APX) by tyrosine nitration and <i>S</i> -nitrosylation. <i>Journal of Experimental Botany</i> , 2014, 65, 527-538.	4.8	294
2	Protein targets of tyrosine nitration in sunflower (<i>Helianthus annuus</i> L.) hypocotyls. <i>Journal of Experimental Botany</i> , 2009, 60, 4221-4234.	4.8	180
3	Vinyl sulfone: a versatile function for simple bioconjugation and immobilization. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 667-675.	2.8	158
4	Differential molecular response of monodehydroascorbate reductase and glutathione reductase by nitration and <i>S</i> -nitrosylation. <i>Journal of Experimental Botany</i> , 2015, 66, 5983-5996.	4.8	153
5	High temperature triggers the metabolism of <i>S</i> -nitrosothiols in sunflower mediating a process of nitrosative stress which provokes the inhibition of ferredoxin-NADP reductase by tyrosine nitration. <i>Plant, Cell and Environment</i> , 2011, 34, 1803-1818.	5.7	145
6	Plant catalases as NO and H ₂ S targets. <i>Redox Biology</i> , 2020, 34, 101525.	9.0	125
7	Cysteine-153 is required for redox regulation of pea chloroplast fructose-1,6-bisphosphatase. <i>FEBS Letters</i> , 1997, 401, 143-147.	2.8	95
8	Endogenous hydrogen sulfide (H ₂ S) is up-regulated during sweet pepper (<i>Capsicum annuum</i> L.) fruit ripening. In vitro analysis shows that NADP-dependent isocitrate dehydrogenase (ICDH) activity is inhibited by H ₂ S and NO. <i>Nitric Oxide - Biology and Chemistry</i> , 2018, 81, 36-45.	2.7	92
9	Synthesis of Glyco-Silicas by Cu(I)-Catalyzed <i>Click-Chemistry</i> and their Applications in Affinity Chromatography. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 2410-2420.	4.3	87
10	Non-Magnetic and Magnetic Supported Copper(I) Chelating Adsorbents as Efficient Heterogeneous Catalysts and Copper Scavengers for Click Chemistry. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 3306-3320.	4.3	80
11	Tyrosine nitration provokes inhibition of sunflower carbonic anhydrase (<i>CA</i>) activity under high temperature stress. <i>Nitric Oxide - Biology and Chemistry</i> , 2013, 29, 30-33.	2.7	80
12	Magnetic Nanoparticles-Templated Assembly of Protein Subunits: A New Platform for Carbohydrate-Based MRI Nanoprobos. <i>Journal of the American Chemical Society</i> , 2011, 133, 4889-4895.	13.7	79
13	Synthesis of Calixarene-Based Cavitands and Nanotubes by Click Chemistry. <i>Journal of Organic Chemistry</i> , 2008, 73, 7768-7771.	3.2	70
14	Intron position as an evolutionary marker of thioredoxins and thioredoxin domains. <i>Journal of Molecular Evolution</i> , 1996, 42, 422-431.	1.8	67
15	Inhibition of peroxisomal hydroxypyruvate reductase (HPR1) by tyrosine nitration. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4981-4989.	2.4	62
16	Vinyl sulfone functionalized silica: a <i>ready to use</i> -pre-activated material for immobilization of biomolecules. <i>Journal of Materials Chemistry</i> , 2010, 20, 7189.	6.7	54
17	Vinyl Sulfone Bifunctional Tag Reagents for Single-Point Modification of Proteins. <i>Journal of Organic Chemistry</i> , 2010, 75, 4039-4047.	3.2	52
18	Characterization of plant sulfiredoxin and role of sulphinic form of 2-Cys peroxiredoxin. <i>Journal of Experimental Botany</i> , 2010, 61, 1509-1521.	4.8	50

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19	Ab initio crystallographic structure determination of insulin from protein to electron density without crystal handling. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 1147-1154.	2.5	49
20	High-Level Expression of Recombinant Pea Chloroplast Fructose-1,6-Bisphosphatase and Mutagenesis of Its Regulatory Site. <i>FEBS Journal</i> , 1995, 229, 675-681.	0.2	45
21	High-Yield Expression of Pea Thioredoxin m and Assessment of Its Efficiency in Chloroplast Fructose-1,6-Bisphosphatase Activation. <i>Plant Physiology</i> , 1997, 114, 1169-1175.	4.8	44
22	Vinyl Sulfone Functionalization: A Feasible Approach for the Study of the Lectinâ€“Carbohydrate Interactions. <i>Bioconjugate Chemistry</i> , 2012, 23, 846-855.	3.6	43
23	Divinyl Sulfone Cross-Linked Cyclodextrin-Based Polymeric Materials: Synthesis and Applications as Sorbents and Encapsulating Agents. <i>Molecules</i> , 2015, 20, 3565-3581.	3.8	40
24	Vinyl sulfone silica: application of an open preactivated support to the study of transnitrosylation of plant proteins by S-nitrosoglutathione. <i>BMC Plant Biology</i> , 2013, 13, 61.	3.6	39
25	Polyelectrolyte Complexes of Low Molecular Weight PEI and Citric Acid as Efficient and Nontoxic Vectors for in Vitro and in Vivo Gene Delivery. <i>Bioconjugate Chemistry</i> , 2016, 27, 549-561.	3.6	36
26	Synthesis of Molecular Nanocages by Click Chemistry. <i>Journal of Organic Chemistry</i> , 2008, 73, 7772-7774.	3.2	30
27	Crystallization and cryocrystallography inside X-ray capillaries. <i>Journal of Applied Crystallography</i> , 2001, 34, 365-370.	4.5	29
28	Soaking: the effect of osmotic shock on tetragonal lysozyme crystals. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 209-214.	2.5	21
29	Highâ€“Level Expression of Recombinant Pea Chloroplast Fructoseâ€“1,6â€“Bisphosphatase and Mutagenesis of Its Regulatory Site. <i>FEBS Journal</i> , 1995, 229, 675-681.	0.2	19
30	Monovinyl Sulfone Î²â€“Cyclodextrin. A Flexible Drug Carrier System. <i>ChemMedChem</i> , 2014, 9, 383-389.	3.2	19
31	Short-Term Low Temperature Induces Nitro-Oxidative Stress that Deregulates the NADP-Malic Enzyme Function by Tyrosine Nitration in <i>Arabidopsis thaliana</i> . <i>Antioxidants</i> , 2019, 8, 448.	5.1	19
32	Cloning, overexpression, purification and preliminary crystallographic studies of a mitochondrial type II peroxiredoxin from <i>Pisum sativum</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 695-698.	0.7	18
33	Nitric Oxide (NO) Differentially Modulates the Ascorbate Peroxidase (APX) Isozymes of Sweet Pepper (<i>Capsicum annuum</i> L.) Fruits. <i>Antioxidants</i> , 2022, 11, 765.	5.1	18
34	Novel Promising Estrogenic Receptor Modulators: Cytotoxic and Estrogenic Activity of Benzanilides and Dithiobenzanilides. <i>PLoS ONE</i> , 2016, 11, e0145615.	2.5	17
35	Polyethyleneimineâ€“Coated Gold Nanoparticles: Straightforward Preparation of Efficient DNA Delivery Nanocarriers. <i>Chemistry - an Asian Journal</i> , 2016, 11, 3365-3375.	3.3	15
36	Catalytic Materials Based on Surface Coating with Poly(ethyleneimine)â€“Stabilized Gold Nanoparticles. <i>ChemCatChem</i> , 2017, 9, 3965-3973.	3.7	14

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37	Production, crystallization and X-ray characterization of chemically glycosylated hen egg-white lysozyme. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 435-438.	0.7	13
38	Cloning and Sequencing of a Pea cDNA Fragment Coding for Thioredoxin m. <i>Plant Physiology</i> , 1994, 105, 1021-1022.	4.8	12
39	Structural study of the type II 3-dehydroquinate dehydratase from <i>Actinobacillus pleuropneumoniae</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 463-471.	2.5	12
40	Engineered Glycated Amino Dendritic Polymers as Specific Nonviral Gene Delivery Vectors Targeting the Receptor for Advanced Glycation End Products. <i>Bioconjugate Chemistry</i> , 2014, 25, 1151-1161.	3.6	12
41	In Vitro and in Vivo Evaluation of Novel Cross-Linked Saccharide Based Polymers as Bile Acid Sequestrants. <i>Molecules</i> , 2015, 20, 3716-3729.	3.8	12
42	Vinyl Sulfonates: A Click Function for Coupling and Decoupling Chemistry and their Applications. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3394-3413.	4.3	12
43	Self-adjuvanting C18 lipid vinyl sulfone-PP2A vaccine: study of the induced immunomodulation against <i>Trichuris muris</i> infection. <i>Open Biology</i> , 2017, 7, 170031.	3.6	12
44	Acid anhydride coated carbon nanodots: activated platforms for engineering clicked (bio)nanoconstructs. <i>Nanoscale</i> , 2019, 11, 7850-7856.	5.6	12
45	Evidence of non-functional redundancy between two pea h-type thioredoxins by specificity and stability studies. <i>Journal of Plant Physiology</i> , 2010, 167, 423-429.	3.5	10
46	Biological Evaluation and Docking Studies of Synthetic Oleanane-type Triterpenoids. <i>ACS Omega</i> , 2018, 3, 11455-11468.	3.5	10
47	Protein crystal quality in diffusive environments and its evaluation. <i>Journal of Crystal Growth</i> , 2003, 247, 177-184.	1.5	9
48	Poly(ethylene-imine)-Functionalized Magnetite Nanoparticles Derivatized with Folic Acid: Heating and Targeting Properties. <i>Polymers</i> , 2021, 13, 1599.	4.5	8
49	Hybrids from pea chloroplast thioredoxins f and m: physicochemical and kinetic characteristics. <i>Plant Journal</i> , 1998, 15, 155-163.	5.7	7
50	Masked Thiol Sugars: Chemical Behavior and Synthetic Applications of S-Glycopyranosyl-N-monoalkyl Dithiocarbamates. <i>Chemistry - an Asian Journal</i> , 2014, 9, 620-631.	3.3	7
51	Intron Position as an Evolutionary Marker of Thioredoxins and Thioredoxin Domains. <i>Journal of Molecular Evolution</i> , 1996, 42, 422-431.	1.8	7
52	Structure of concanavalin A at pH 8: bound solvent and crystal contacts. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 1048-1056.	2.5	6
53	Functionalized immunostimulating complexes with protein A via lipid vinyl sulfones to deliver cancer drugs to trastuzumab-resistant HER2-overexpressing breast cancer cells. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 4777-4785.	6.7	6
54	Carbon dots-inspired fluorescent cyclodextrins: competitive supramolecular (bio)sensors. <i>Nanoscale</i> , 2020, 12, 9178-9185.	5.6	6

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55	Amphiphilic-like carbon dots as antitumoral drug vehicles and phototherapeutic agents. <i>Materials Chemistry Frontiers</i> , 2021, 5, 8151-8160.	5.9	6
56	Crystallization screening directly in electrophoresis gels. <i>Journal of Crystal Growth</i> , 2001, 232, 596-602.	1.5	3
57	Improvement of the quality of lumazine synthase crystals by protein engineering. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 625-628.	0.7	3
58	Single chain variable fragment fused to maltose binding protein: a modular nanocarrier platform for the targeted delivery of antitumorals. <i>Biomaterials Science</i> , 2021, 9, 1728-1738.	5.4	3
59	Nitro-Oleic Acid-Mediated Nitroalkylation Modulates the Antioxidant Function of Cytosolic Peroxiredoxin Tsa1 during Heat Stress in <i>Saccharomyces cerevisiae</i> . <i>Antioxidants</i> , 2022, 11, 972.	5.1	3
60	Structure of a Calix[4]arene by X-ray diffraction. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2000, 56, s321-s321.	0.3	0
61	Response to Wilson et al. Comments on Lopez-Jaramillo et al. DivinylSulfone Cross-Linked Cyclodextrin-Based Polymeric Materials: Synthesis and Applications as Sorbents and Encapsulating Agents. <i>Molecules</i> , 2015, 20, 3565-3581. <i>Molecules</i> , 2016, 21, 98.	3.8	0
62	High Level Expression of Recombinant Pea Chloroplast Fructose-1,6-Bisphosphatase and Mutagenesis of its Regulatory Site. , 1995, , 3967-3970.		0
63	Purification and Properties of Pea Thioredoxin m Expressed in <i>E. coli</i> . , 1995, , 1643-1646.		0
64	An Expeditious Route to an HO-4 Free d-GalNAc Building Block from d-GlcNAc. , 2017, , 263-270.		0